MONTIGO®

Installation Operation & Maintenance

H52-DFN

Gas Fireplace

Safety Notice:

Glass doors on gas fireplaces are extremely hot while the fireplace is on and remain hot even after the fireplace has been turned off. Safety screens are available and can reduce the risks of severe burns. Please keep children away from the fireplace at all times.

Check local codes and read all instructions prior to installation.

- *Installer: Leave this manual with the appliance.*
- *Consumer: Leave this manual for future reference.*

⚠ Warning:

Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to this manual. For assistance or additional information consult a qualified installer, service agency or the gas supplier.

For Your Safety:

Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

What To Do If You Smell Gas:

- ***Do not try to light any appliance.***
- ***Do not touch any electrical switch; do not use any phone in your building.***
- ***Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.***
- ***If you cannot reach your gas supplier, call the fire department.***

CERTIFIED

DESIGN CERTIFIED

C SA® US

⚠ Warning:

Read this manual before installing, operating or troubleshooting this appliance. Please retain this owner's manual for future reference.

Congratulations

Congratulations on selecting a Montigo gas fireplace, an elagent and well designed gas fireplace built to your specifications. The Montigo gas fireplace you have selected is designed to provide the utmost in safety, reliability, and engineering standards.

As the owner of this new fireplace, you'll want to read and carefully follow all the instructions contained in this Installation, Operations and Maintenance manual. Pay special attention to all cautions, warnings, and Important warnings.

This owner's manual should be retained for future reference. We suggest that you keep it with all your other important documents and product manuals.

The information contained in this owner's manual, unless noted otherwise, applies to all models, and gas control systems.

Your new Montigo gas fireplace will give you years of durable, reliable use. Welcome to the FireFeature family of gas fireplace products.

⚠ *Safety Alert Key:*

- ***DANGER!*** Indicates a hazardous situation which, if not avoided will result in death or serious injury.
- ***WARNING!*** Indicates a hazardous situation which, if not avoided could result in death or serious injury.
- ***CAUTION!*** Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.
- ***NOTICE:*** Used to address practices not related to personal injury.
- ***Important:*** Used to address practices not related to personal injury.

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Congratulations

Safety Alert Key

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Introduction

Thank You for choosing a Montigo Gas Fireplace.

About this Fireplace:

The **H52-DFN** is a fireplace with a pan-style burner and glowing embers. This fireplace is ONLY available as a Top Vent, natural gas fireplace.

The **H52-DFN** is rated for Natural Gas at 60,000 BTU/H (17.65 Kilowatts) Input. Available in Intermittent Pilot (HSI), NG Models Top Vent Only.

How to use this manual:

This manual covers installation, operation and maintenance. Lighting, operation and care of this fireplace, and can be easily performed by the homeowner. However, all installation and service work should be performed by a qualified or licensed installer, plumber, or gas fitter who is qualified or licensed by the state, province, region, or governing body in which the appliance is being installed.

Warranty and Installation Information:

The Montigo warranty will be voided by, and Montigo disclaims any responsibility for, the following actions:

- Modification of the fireplace and/or components including Direct-Vent assembly or glass doors.
- Use of any component part not manufactured or approved by Montigo in combination with this Montigo fireplace system.
- Installation other than as instructed in this manual.

Consult your local Gas Inspection Branch on installation requirements for factory-built gas fireplaces. Installation & repairs should be done by a qualified contractor.

Installations in Canada must conform to the current **CAN/CGA B-149.1** and **.2** Gas Installation Code and local regulations. If the optional air-circulating fan kit is installed, it must be electrically grounded in accordance with **CSA C22.1** Canadian Electrical Code Part 1 and/or Local Codes.

Installations in the USA must conform to local codes, or in the absence of local codes to the National Fuel Gas Code, **ANSI Z223.1-1988**. If the optional air-circulating fan is installed, it must be grounded in accordance with local codes or, in the absence of local codes, with the National Electrical Code, **ANSI/NFPA 70-1987. See Appendix B** for installation within the State of Massachusetts.

⚠ CAUTION!

Due to its high operating temperatures, the appliance should be located out of traffic & away from furniture and draperies.

- Children and adults should be alerted to the hazards of the high surface temperature, which could cause burns or clothing ignition.
- Young children should be carefully supervised when they are in the same room as the appliance.
- Clothing or other flammable materials should not be placed on or near the appliance.

Important:

Natural Gas equipped models may be installed using Top Vent applications ONLY.

Installation

Installing The Fireplace Shell

The fireplace may be installed in any location that maintains proper clearances to air conditioning ducts, electrical wiring and plumbing. Safety, as well as efficiency of operation, must be considered when selecting the fireplace location. Try to select a location that does not interfere with room traffic, has adequate ventilation, and offers an accessible pathway for Direct Vent installation. Refer to page 4 - *Vent Installation* for more information.

The fireplace dimensions are shown below:

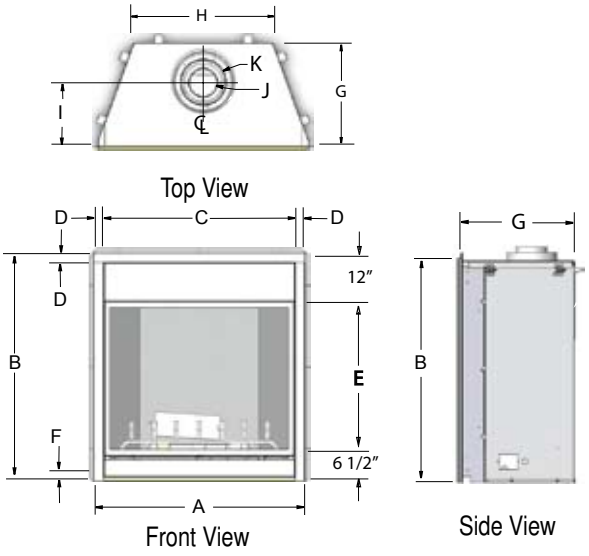


Figure 1. *Fireplace dimensions.*

H52 Fireplace Dimensions													
	A	B	C	D	E	F	G	H	I	J	K	L	R
H52DF	52	56	47	2 1/2	37 3/4	1	28 7/8	38	19	5	8	N/A	N/A

Clearances

These clearances apply to all dimensions ***except the framed opening***, where the clearance to combustibles is ***0"***. The **H52DFN** clearance to unprotected combustible walls which are perpendicular to the fireplace opening, must not project beyond the shaded area shown in Fig. 8.

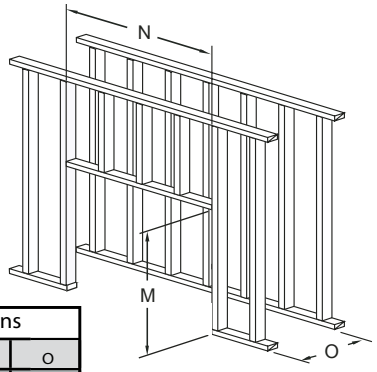
For protection against freezing temperatures, it is recommended that outer walls of the chase be insulated with a vapor barrier. This will reduce the possibility of a cold-air convection current on the fireplace.

Clearance to Combustibles	
	H52DFN
Top (Top Vent)	36″
Sides	2″
Floor	0″
Back	2″
Mantel	See graph, Page 9

Unprotected combustible walls which are perpendicular to the fireplace opening, must not project beyond the shaded area shown in Figure 8.

For protection against freezing temperatures, it is recommended that outer walls of the chase be insulated with a vapor barrier. This will reduce the possibility of a cold-air convection current on the fireplace.

Framing



Framing Dimensions			
	M	N	O
H52DF	56 1/4	52 1/4	29 3/4

Figure 2. *Framing dimensions.*

WARNING!

When this appliance is installed directly on carpeting, tile or any combustible material other than wood flooring, it must be installed on a metal or wood panel extending the full width and depth of the appliance.

Installing The Gas Line

The gas line must be installed before finishing the H52-DFN Fireplace. **Natural Gas** requires a minimum inlet gas supply pressure of 5.5" W.C. & a manifold pressure of 3.5" W.C. Provision must also be made for a 1/8" N.P.T. plugged tapping and be accessible for test gauge connection immediately upstream of the gas supply controls to the appliance. The fireplace gas connection and the main operating gas valve is located behind the removable trim at the bottom of the unit and need only be attached to the gas line with an approved fitting, as required by the **applicable installation codes**.

To access the fireplace gas connection the main burner must be removed as shown below in figure 3.

• Only use gas shut-off valves approved for use by the state, province, region, or governing body, in which the appliance is being installed, or as required by the applicable installation codes.

• Flexible gas connectors must not exceed 3 feet in length, unless it is allowable within applicable installation codes.

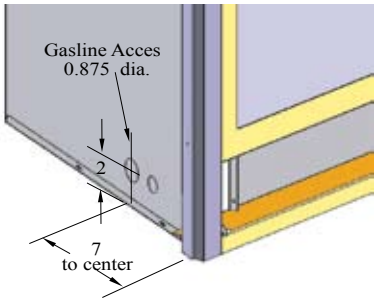


Figure 3. *Gas line access.*

Part No. XG0650

Installation

Note: After gas line is connected, **each *appliance connection*, *valve and valve train*** must be checked while under normal operating pressure with either a liquid solution, or leak detection device, to locate any source of leak. Tighten any areas where bubbling appears or leak is detected until bubbling stops completely or leak is no longer detected. **DO NOT use a flame of any kind to test for leaks.**

Installing The Standoffs

To avoid elevated mantel temperatures, the H52-DFN gas fireplace is required to have the supplied standoffs installed. The fireplace is supplied with two standoffs. Bend and install these standoffs on top of the fireplace ensuring that the height of the standoff maintains a 2.5" clearance.

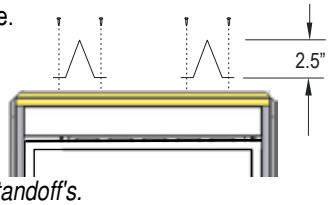


Figure 4. *Installing the standoff's.*

Installing The Remote Switch

The **H52-DFN's** gas valve, located behind the lower trim, may be connected to a wall switch. The valve generates its own power on **a millivolt circuit. Use only low voltage wire, and DO NOT** connect any external power to it.

Refer to Figure 15 for wiring requirements.

Note: The switch location must not exceed 30' from the fireplace.

Termination Installation

This section covers the installation of the Various available terminations.

Installation Requirements

- H52-DFN fireplace is certified for use with Montigo Standard Series **(5"/ 8")** flexible venting components ONLY.
- Minimum **clearance to combustible construction around the vent pipe is 1"** on all sides, except on horizontal venting where the **top** of the pipe must have a clearance of at least 2".
- Use only *certified Montigo flexible vent components.* (Use of other parts will void the Montigo warranty, and may impede the operation of the fireplace.)
- All joints must be secured with a minimum of two screws per joint
- Horizontal runs must be supported by a minimum of two supports per horizontal run. A minimum of one screw on each side of support is also required
- Flex vent sections may be stretched up to 50% of their total length (eg. a 24" section may be stretched to 36")
- Flexible Venting components can be used in any configuration, and in any orientation (Male connectors can face in any direction)

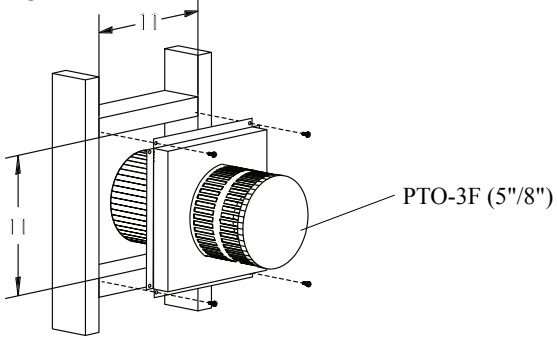
Vent Terminations

Selecting A Termination Location

Choosing your vent termination location will help to determine how you vent your fireplace. The following figures shows typical fireplace termination installations and the venting options they provide.

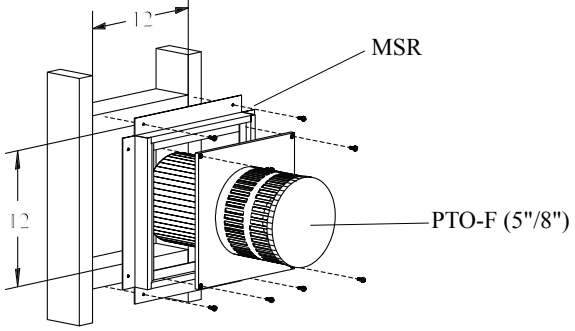
For Detailed diagram of allowed termination locations, see *Appendix*

Installing Terminations with Built-In Frames



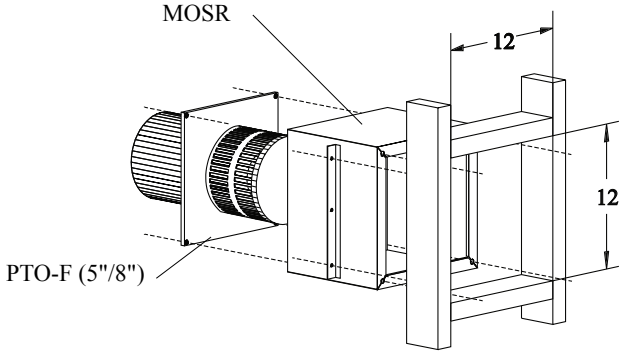
1. Frame the termination opening to 11" x 11".
2. Fasten the termination to the studs using a minimum of 4 screws.

Installing Terminations with MSR Frames



1. Frame the termination opening to 12" x 12".
2. Fasten the termination to the studs using a minimum of 4 screws.

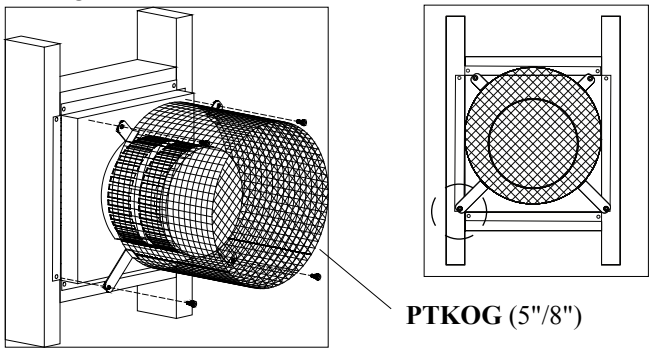
Installing Terminations with MOSR Frames



1. Frame the termination opening to 12" x 12".
2. Fasten the MOSR frame to the interior side of the studs using a minimum of 4 screws.
3. Insert the termination into the MOSR frame as shown here, and attach by screwing through the four pilot holes in the termination.

Installation

Installing Heat Guards over Terminations



1. Ensure that the two ***long*** mounting brackets are facing the bottom of the termination. (See inset). This will provide more heat protection at the top of the termination, where temperatures are highest.
2. Attach to the faceplate of the termination using four sheet metal screws.

Recessed Termination Installation (DVPV58)

The DVPV58 termination is designed to be Installed flush with the exterior of the building. This recessed design uses 5"/8" vent and allows the installation to be clean and flush so it does not interfere or have an impact with your architectural design.

Note: The Louvred grille is not supplied by Montigo and must be sized accordingly. We require a MIN 80in/sq free air movement to adequately allow air to enter, and exhaust the fireplace. Also note the material of the louvre must be able to withstand high operating temperatures.

Figure 5. *Linear Power Vent recessed Termination.*

IMPORTANT

The H52-DFN requires a specific volume of atmospheric interchange to operate properly and efficiently.

- The fireplace requires a MIN 80in/sq. air movement to function.
- Due to high operating temperatures the louvered grill must be manufactured from a material that will be capable of withstanding high temperatures.
- The grille must also be able to shed water, not allowing any moisture to enter the unit.

Installing The Power Vent

The LDVPV58 Linear Power Vent System must ONLY be used with a Montigo H52-DFN Direct Vent Fireplace. When selecting Venting components for use with this Linear Power Vent System, take into consideration the various requirements and limitations in the vent installation section of the Model's manual:

Models Must Be Equipped with Electronic Ignition (HSI/AF)

Only models equipped with an electronic ignition system may be installed with the LDVPV58 Linear Power Vent System. The absence of a pilot in this system, allows for greater flexibility on venting requirements.

General Information

This installation section covers installation of the LDVPV58 Linear Power Vent System ONLY. This system is designed to allow the installation of the H52-DFN gas fireplace to function with many years of reliable service.

Specifications and instructions pertaining SPECIFICALY to the H52-DFN fireplace must be followed. Please read these Installation Operation and Maintenance Instructions thouroughly and carefully before operating this equipment.

Standard Series (5"/8" dia.) Termination System:
LDVPV58 - Linear Power Vent System
Pre/Post Purge Control Box
RHSIT05 -Control module, provides pre/post purge.
Power Cord Harnesses:
LPVH10 -10 foot power cord and harness
LPVH20 -20 foot power cord and harness
LPVH30 -30 foot power cord and harness
LPVH40 -40 foot power cord and harness
LPVH50 -50 foot power cord and harness
LPVH60 -60 foot power cord and harness
LPVH70 -70 foot power cord and harness
LPVH80 -80 foot power cord and harness

Before You Begin

- Minimum clearances of 1" from vent to all combustible materials must be maintained.
- The LDVPV58 must only be installed with Montigo venting components as specified in these instructions.
- In order to maintain the power vent system integrity all 5" and 8" venting connections must also be sealed with high temperature silicone.
- Installation of the LDVPV58 must comply with this manual, and be completed by a qualified professional.
- The MAXIMUM total allowable length; Refer to Linear Power Vent Installation Section, 3-4.
- Minimum length of straight pipe between the Fireplace and the Power Vent is: 2 feet
- Access / Service Panel, must maintain 2" clearance. If 2" clearance is not possible Minimum 30% free air must be supplied.
- Disconnect the power supply when installing and/or servicing the fireplace or the power vent system.

Part No. XG0650

Installation

Specifications:

Dimensions: 34 7/8"L x 18 1/2"W. x 11 1/2"D.

Vent Size: (IN) 5"/8" (Out) 5"/8"

Motors: 1/10HP each, x 1.8A each (2) motors

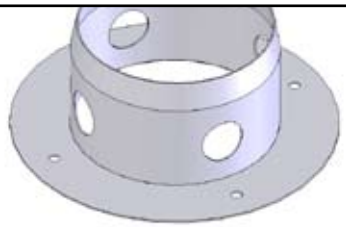
Sound Level: dba

Weight: 60Lbs.

CAUTION:

When cold air enters the warmer building interior, primarily at the air intake end, condensation may occur on the exterior of the flex pipe. To limit this condensation, install insulation over the last twenty feet of flex pipe. Also, by sloping the last 20'-0" feet of flex pipe downward toward the exterior of the building, elimination of most of the condensation problems should occur. Ensure the termination is securely fastened, and sealed to the flex pipe. Fasten the termination to exterior of the building with water tight sealant and the appropriate fasteners.

Important: Ensure prior to vent installation, the 4-hole 5"/8" flue adapter is installed on the exhaust vent of your Montigo H52-DF gas fireplaces *(Part No. H52C-A03B)*.



CAUTION:

Ensure the Perforated Air Holes in the Factory Installed Pipe Adapter / Restrictor are not Covered when installing New Pipe Connection.

Venting Installation

The LDVPV58's Power Vent must be installed with the H52-DFN gas fireplace equipped with an electronic ignition system. When installing the venting, the installation must adhere to the Venting Installation Section in this Installation Operation and Maintenance Instructions, as well as these few following guidelines:

- Ensure that the planned termination location is acceptable as shown in Appendix A.
- Minimum of 2 feet of straight pipe before the power vent.

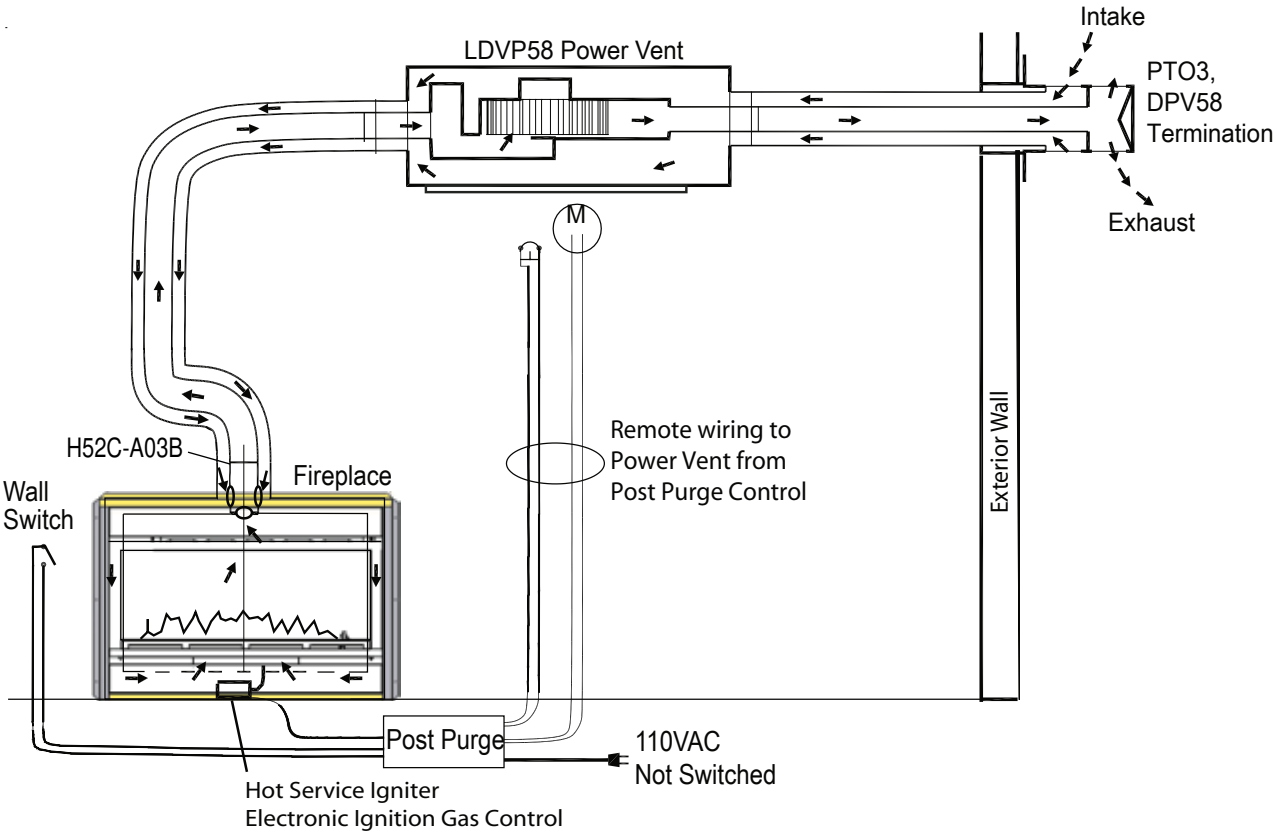


Figure 6. *Illustration diagram for the LDVPV58 Linear Power Venter*

Installation

WARNING:

All venting material must be sealed with high heat silicone sealant RV230. All venting material to be Montigo flex pipe, with as few joints as possible. All joints use MVA vent splice, sealed thoroughly with silicone.

WARNING:

Montigo will not be held responsible for any water damage that may occur from not installing the equipment as specified by this document.

Linear Power Vent - Horizontal Vent

Multi-elbow installations are possible up to a maximum Seventy feet (70'-0"), with three (3) 90° elbows. Minimum vent run from Fireplace to Power Vent must be two feet, (2'-0"). Maximum allowable vent run must be reduced by Ten feet (10'-0") for every 90° elbow added. With a snorkel Termination, reduce the total vent run by an additional twenty feet (20'-0"). Figure's 6a and 6b.

Example A. Vertical Mounting with horizontal Vent Run

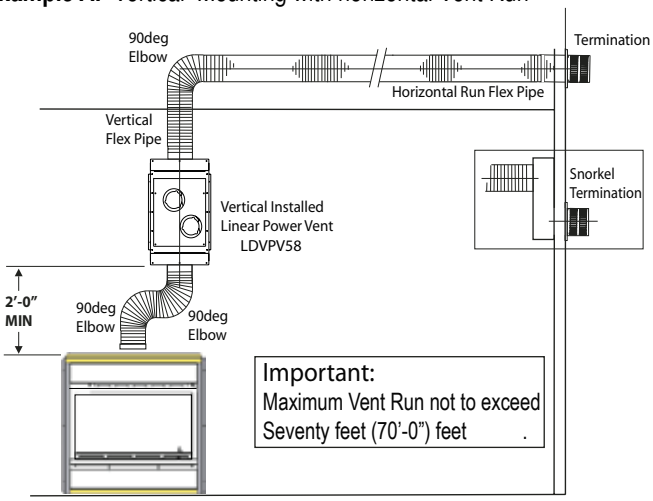


Figure 6a. *Vertical Mounting for the Linear Power Venter*

Example B. Horizontal Mounting with horizontal Vent Run

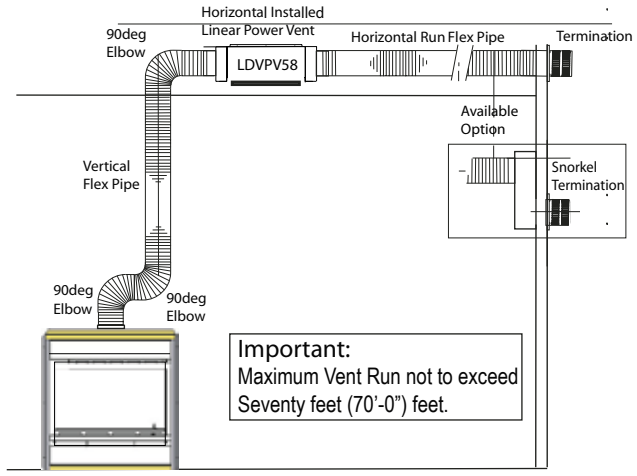


Figure 6b. *Horizontal Vent for the Linear Power Venter*

Linear Power Vent - Horizontal / Downward Vent

Multi-elbow installations are possible up to a maximum seventy feet (70'-0"), with three (3) 90° elbows. Minimum vent run from Fireplace to Power Vent must be two feet, (2'-0"). Maximum allowable vent run must be reduced by Ten feet (10'-0") for every 90° elbow added. Deduct ten feet (10'-0") of vent length for every one foot (1'-0") of vent run traveling in a downward direction.

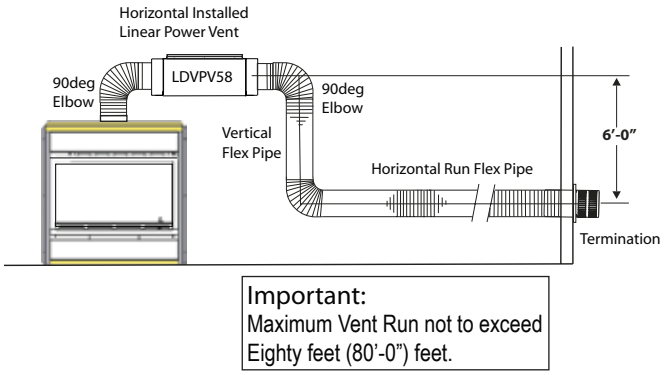


Figure 7a. *Horizontal Linear Power Vent with Horizontal Vent Run*

Linear Power Vent - Vertical Vent

Multi-elbow installations are possible up to a maximum seventy feet (70'-0"), with three (3) 90° elbows. Minimum vent run from Fireplace to Power Vent must be two feet, (2'-0"). Maximum allowable vent run must be reduced by Ten feet (10'-0") for every 90° elbow added. Figure's 8a and 8b.

Example A. Vertical Mounting with Vertical Vent Run

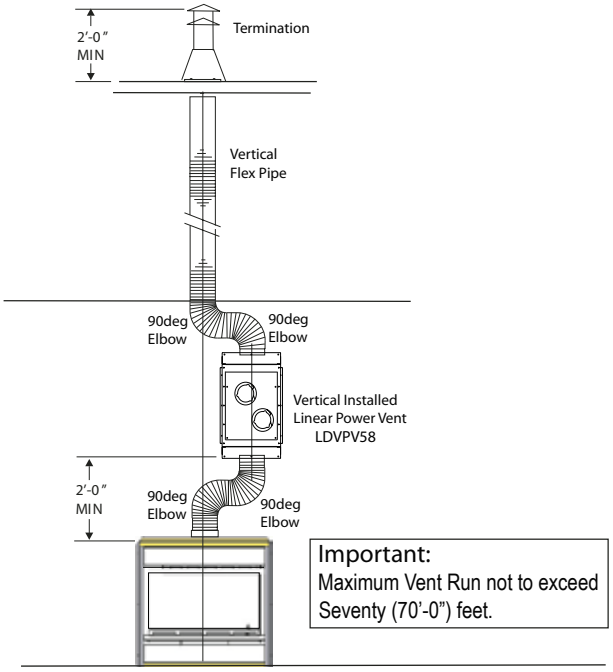


Figure 8a. *Vertical Vent for the Linear Power Venter*

Installation

Example B. Vertical Mounting with Vertical Vent Run

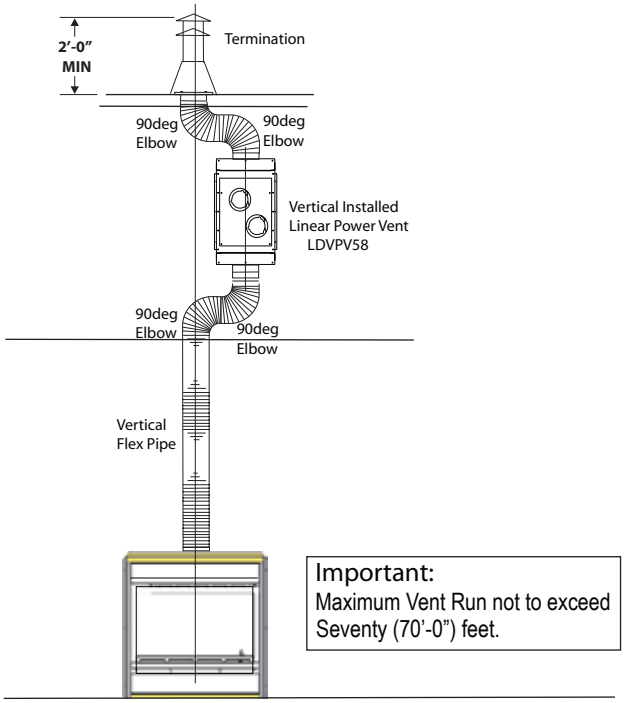


Figure 8b. *Vertical Linear Power Vent with Vertical Vent Run*

Installing the Linear Power Vent

1. The linear power vent can be installed to existing stud construction or directly to cement wall or roof. The LDVPV58 must maintain the clearance to combustibles as shown in Figure 10. The required service access panel must be framed at 28" X 18". To enclose the service access panel, (at less than 2") a minimum 30% free air must be supplied at all times.
2. Plug the power chord into the available slot in the linear power vent.
3. Secure all venting joints with at least three screws and ensure that the joints are properly sealed by applying high temperature silicone.

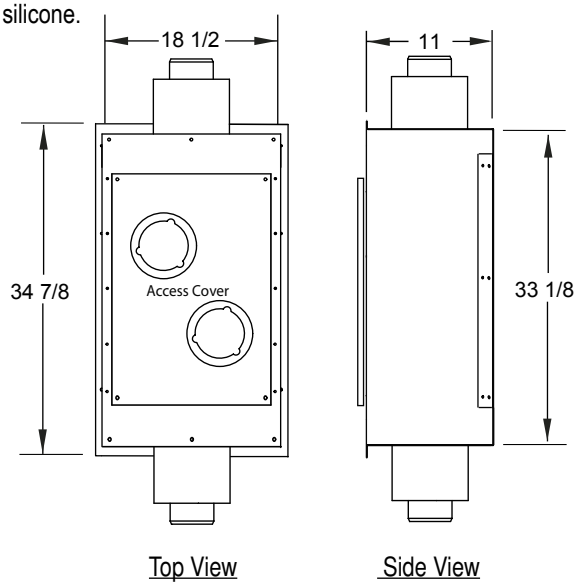


Figure 9. *LDVPV58 Power Vent overall dimensions.*

Framing Dimensions

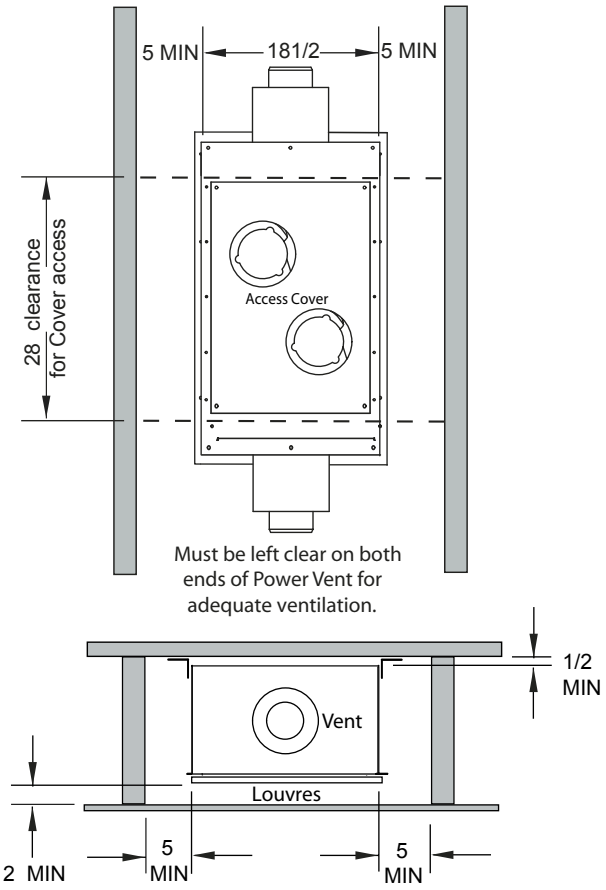


Figure 10. *LDVPV58 Power Vent framing dimensions.*

Wiring Installation

Connect the wiring to the linear power vent as outlined in the previous section, and connect the wiring to the fireplace as outlined in the schematic below. Ensure that the proper clearances are maintained for the wiring and conduit. When installing the wiring it must never run above the vent run and it must be at least 1" clear of all venting.

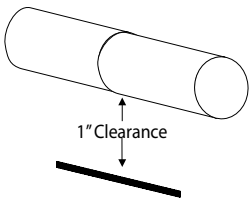


Figure 11. *Conduit and Wiring Clearances.*

Installation

Installing The Horizontal & Vertical Exterior Power Vent

Vertical, Exterior Stainless Steel Roof top Power Vent, *(see Instruction guide for)*, **EDVRSPV47/58**

Figure 11a. *Vertical, Exterior Stainless Steel Roof top Power Vent,*

Horizontal. Exteriot Stainless Steel Wall mounted Power Vent, *(see instruction guide for)*, **EDVWSPV47/58.**

Figure 11b. *Horizontal, Exterior Stainless Steel Roof top Power Vent,*

Restrictor Ring Installation
(H52DFN ONLY)

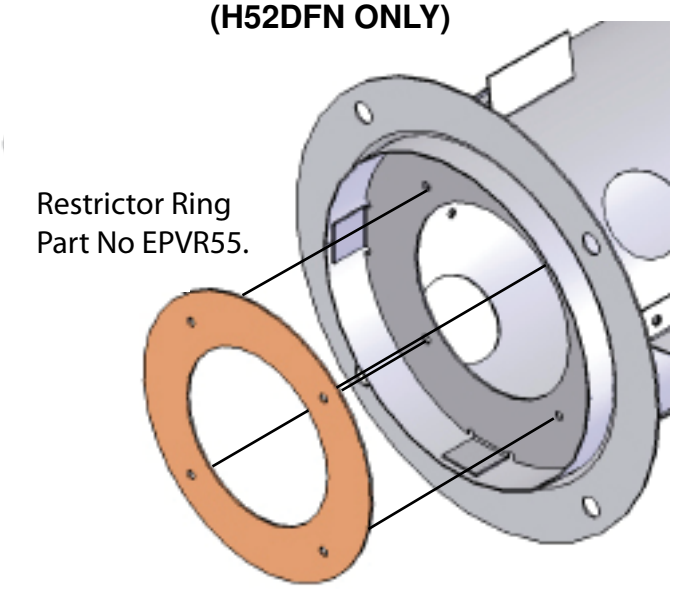


Figure 14. EPVR55 for **H52DF Only** *Restrictor Ring Installation. (From inside firebox ONLY)*

Installation

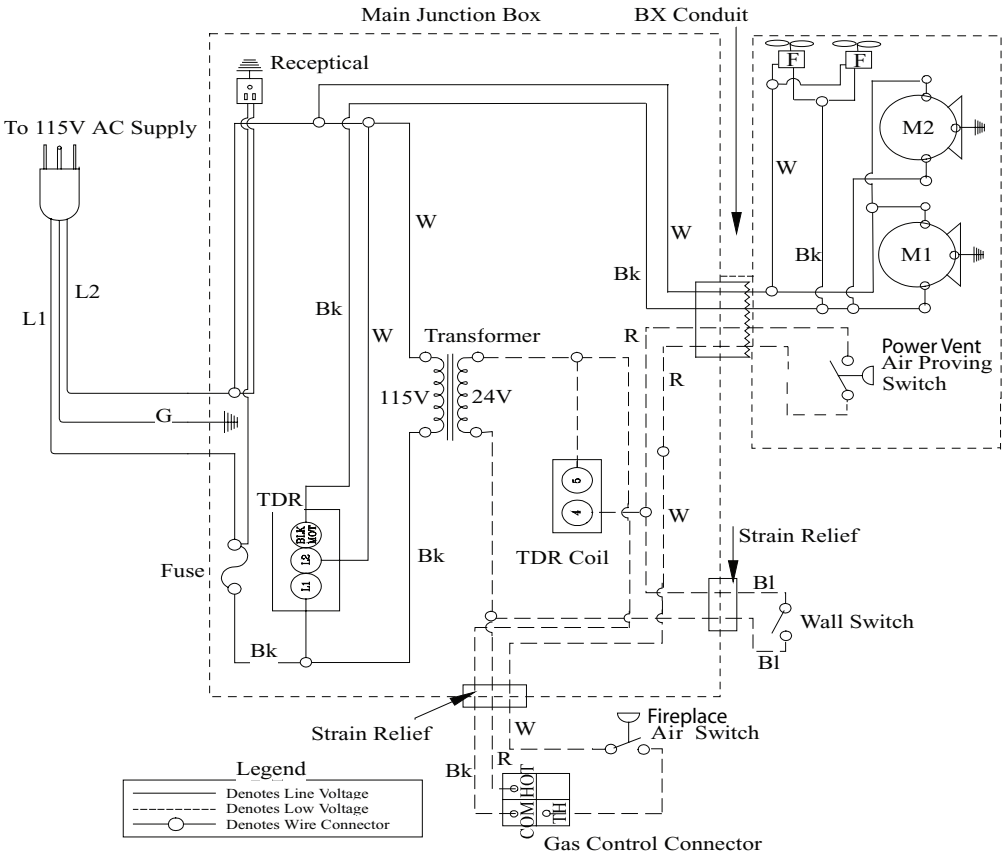


Figure 12. *Wiring schematic for the Post Purge Control Module ECB006.*

Finishing Around the Fireplace

Combustible mantels and mouldings may be safely installed over the top and on the front of the fireplace provided that they do not project beyond shaded area shown in **Figure 13**. Side wall clearances are 3". Combustible surrounds may be installed with 3" clearance to the side of the fireplace as shown in **Figure 14**.

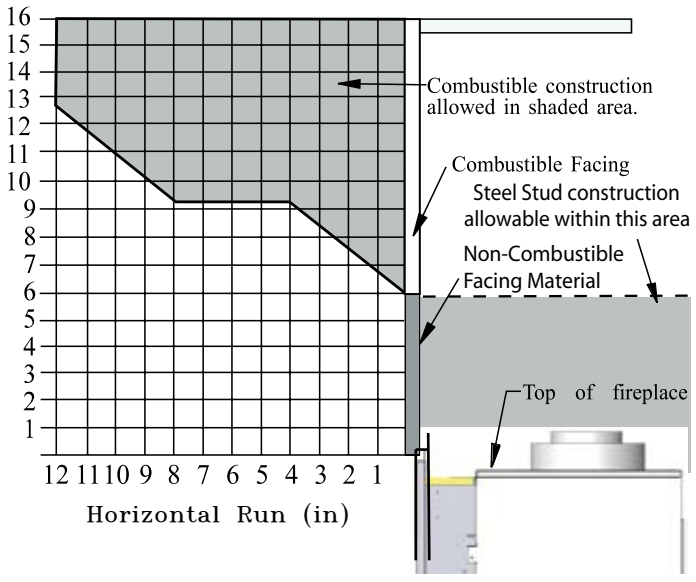


Figure 13. *Combustible mantles and facings.*

Fireplace Facing

When selecting the finish material for your fireplace, it is important to remember the following:

If the surround of the fireplace is to be painted to match the room decor, heat-resistant paint must be provided . Also, decorative facing must not extend past the fireplace opening at all, because it will interfere with the access to retainers for removal of glass door and access to the lower compartment.

Mantels & Surrounds

NOTE: National Canadian Gas Association mantel test requirements are for fire hazard prevention to combustible materials.

New technology, to meet consumer and government demands for the wise use of energy, has prompted us to manufacture many models of fireplaces which are hot, fuel and energy efficient.

Please be aware; temperatures over the mantel will rise above normal room temperature and walls above fireplace may be hot to touch.

Warning:

When covering the upper metal portion of the fireplace, up to 6" (*as shown, Fig.13 & Fig.14*, with a non-combustible material Please Note: The decorative facing materials may be subject to temperatures in excess of 250° F. This should be considered when selecting facing materials.

We recommend careful consideration be given to the effects of elevated mantel temperatures which may be in excess of product design, for example: candles, plastic or pictures. This can cause melting, deformation, discoloration or premature failure of T.V. and radio components.

Installation

Mantels & Surrounds

NOTE: National Canadian Gas Association mantel test requirements are for fire hazard prevention to combustible materials.

New technology, to meet consumer and government demands for the wise use of energy, has prompted us to manufacture many models of fireplaces which are hot, fuel and energy efficient.

Please be aware; temperatures over the mantel will rise above normal room temperature and walls above fireplace may be hot to touch.

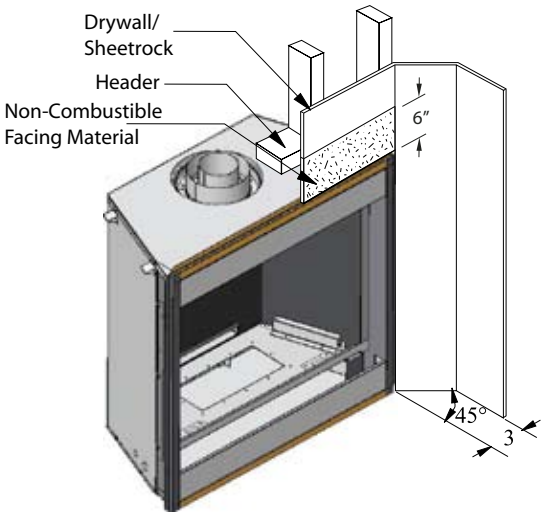


Figure 14. *Combustible surrounds.*

Installing the Log Set

Installing the Logs:

The **H52-DFN** is supplied with seven ceramic fibre logs. Unpack the logs and handle them very carefully, install as described below.

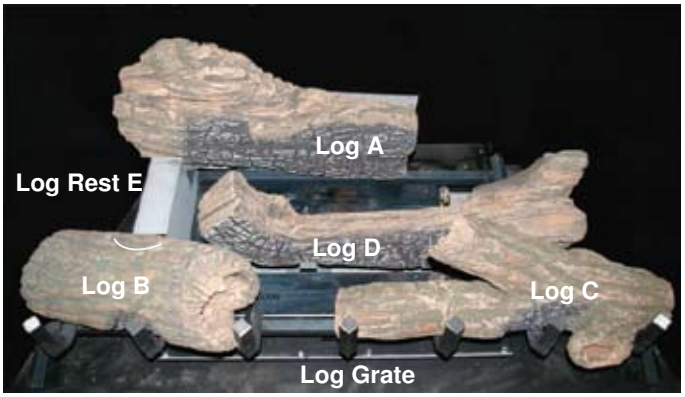


Figure 16. *Installation of four (4) Base Logs.*

Step 1. Place the Base Logs, "**A**", "**B**", "**C**" & "**D**" as shown. Move them left, or right to ensure they fit between the grate stiles as shown.

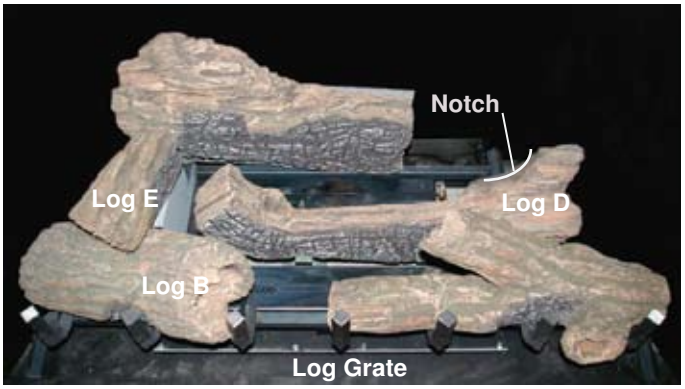


Figure 16a. *Installation of Log E.*

Step 2. Place flat portion (underside) of Log "**E**" on the formed steel ***Log Rest*** as shown, lay front end of Log "**E**" approximately centre of Log "**B**". See **Figure 16** above.

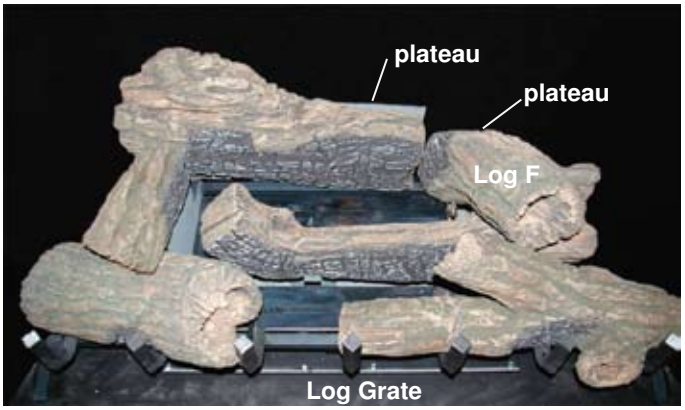


Figure 16b. *Installation of Log F.*

Step 3. Place Log "**F**" in place as shown. Rest front end of Log "**F**" in curved area (notch) see **Figure 16a** on Log "**D**", and rear of Log "**F**" on log Grate, between back stiles.

Part No. XG0650

Installation

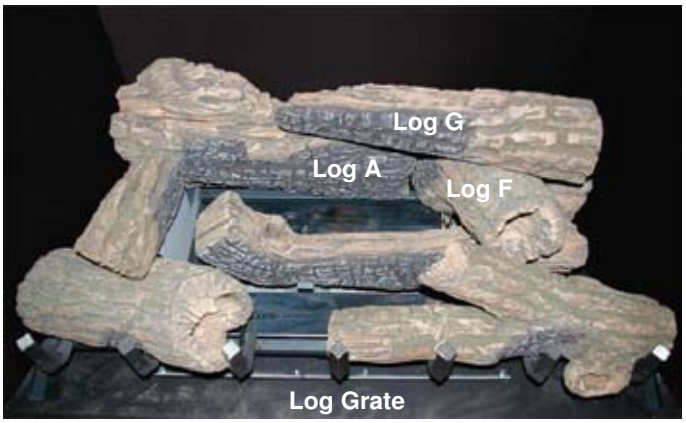


Figure 16c. *Installation of Log G.*

Step 4. Place Log "G" in place on the provided flat areas (plateau's) as shown. See Figure 16b.

Figure 16d. *Completed Log set Assembly.*

Removing and Installing the Doors

Removing the doors:

The doors are removed in a few simple steps. Follow the Steps shown to remove the Horizontal access panel, unlatch the door buckles, remove the door, then replace in reverse order.

Remove the Horizontal Access Panel:

Step 1:

Remove the Horizontal cover by placing fingers in both finger holes, then pushng away from you and lifting out. Place it aside during maintenance or cleaning.

Install in reverse order.

Figure 28. *Removing and installing the the Horizontal Acess Panel*

Locate the Door Buckles:

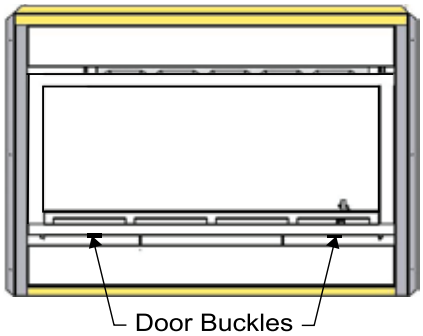


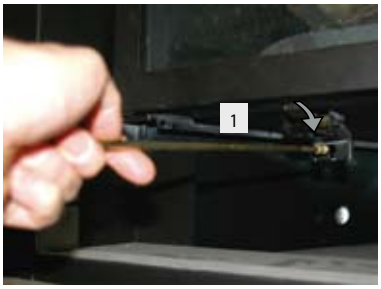
Figure 28a. *Loccate the door buckles. (Both Sides Typical)*

Release the Door Buckles

Figure 28b. *Door buckle Tool*

Step 2

Locate the Door Buckle tool and unlatch all Door Buckles.



Step 3

Firmly grasp hand-hold end of tool and place the machined end in the slot under door frame. (as shown)

Figure 28c.

Installation

Step 4

Ensure the tool is firmly in the lower end of the slot, (as shown), Then pull toward you (Caution: hold the tool securely).

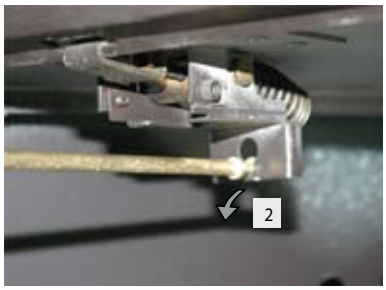


Figure 28d.

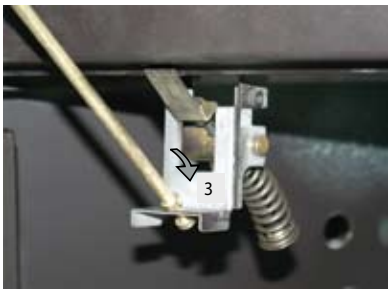


Figure 28e.

Step 5

Pull hard if necessary to release the spring tension. (Caution: The latch springs back with force, hold the tool securely).

Step 6

Remove the tool from the latch slot. Ensure the latches are hanging freely, the hook end is released from the bottom of the door. (Repeat all 4-steps for the remaining latches).

Figure 28f.

Removing the Door:

Step 7

Grasp the Door on either side, usually midway and lift upward, lift the door carefully up and away from the front of the fireplace. *See figures 28g. Place the Door aside in a safe place while maintenance and / or cleaning is being performed.*

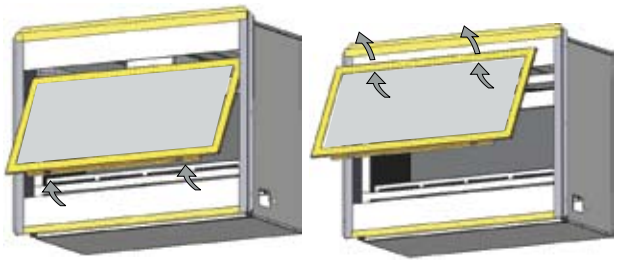


Figure 28g. *Removing and installing the glass doors. (Both Sides Typical)*

Installing the Door:

To install the door, hook the top edge of the door frame into place. Lower the door into position and follow the previous steps shown in reverse order.

WARNING!

Do not attempt to clean glass when hot.

Do not clean glass with abrasive materials as any glass etching may cause premature glass failure.

Operation - Model H52-DF-I

with Honeywell Electronic Ignition

For Your Safety - READ BEFORE LIGHTING:

WARNING: If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

A. This appliance is equipped with an ignition system that lights the pilot burner automatically. **Do not attempt to light the pilot by hand.**

B. **BEFORE LIGHTING** smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

What To Do If You Smell Gas:

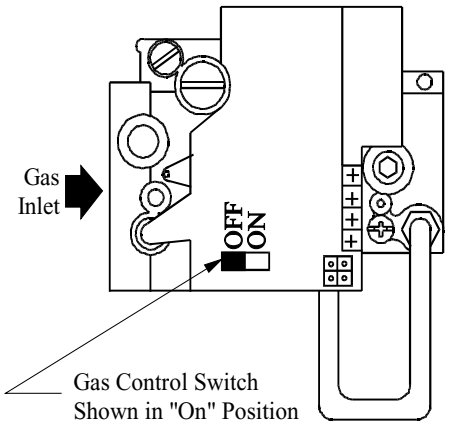
- Do not try to light any appliance.
- Do not touch any electrical switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbour's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the Fire Department.

C. Use only your hand to push in or turn the gas control knob. Never use tools. If the knob will not push in or turn by hand, don't try to repair it, call a qualified service technician. Force or attempt to repair may result in a fire or explosion.

D. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system, and any gas control which has been under water.

Lighting Instructions:

1. **STOP!** Read the safety information above on this label.
2. Flip down the lower trims.
3. Turn switch on the gas control to OFF".
4. Wait 5 minutes to clear out any gas. If you smell gas, **STOP!** Follow "B" in the safety information above on this label. If you don't smell gas, go to the next step.
5. Turn switch on the gas control to "ON". **NOTE:** This unit is equipped with an ignition system that lights the pilot burner automatically. **Do not attempt to light the pilot by hand.**
6. Turn on wall switch.
7. Flip up the lower trim.
8. If the fireplace does not operate, follow the instructions "To Turn Off Gas To Appliance" and call your service technician or gas supplier.



To Turn Off Gas To Appliance:

1. Turn off remote switch.
2. Flip down the lower trim.
3. Turn the switch on the gas control to "Off".
4. Flip up the trim.

Maintenance

General

- **Have the fireplace and installation inspected yearly**. The inspection must include, but is not limited to, the following:
  - A visual check of the entire vent system and termination.
  - An inspection of the explosion relief flappers and the door gasketing to ensure a proper seal.
  - An inspection of the burner, venturi, and primary air openings.
  - An inspection of the gas valve, gas components, and pilot flame. For your convenience a 1/8" manifold pressure tap is supplied on the gas valve for a test gauge connection. See Figure 32.
  - Ensure proper log placement as per this manual.
  - Inspection of all optional equipment; fans, thermostats, etc.
- For **Natural Gas** this appliance requires a minimum inlet pressure of 5.5" W.C. and a manifold pressure of 3.5" W.C.
- For **Propane Gas** this appliance requires a minimum inlet pressure of 11" W.C. and a manifold pressure of 10" W.C.
- Always keep the fireplace area clear and free of combustible materials, as well as gasoline and other flammable vapors and liquids.
- Do not use this appliance if *any part has been under water*. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

Cleaning

When the fireplace is first activated, there may be some smoking and a visible film may be left on the glass. This is a normal condition, and is the result of burning of protective coatings on new metal.

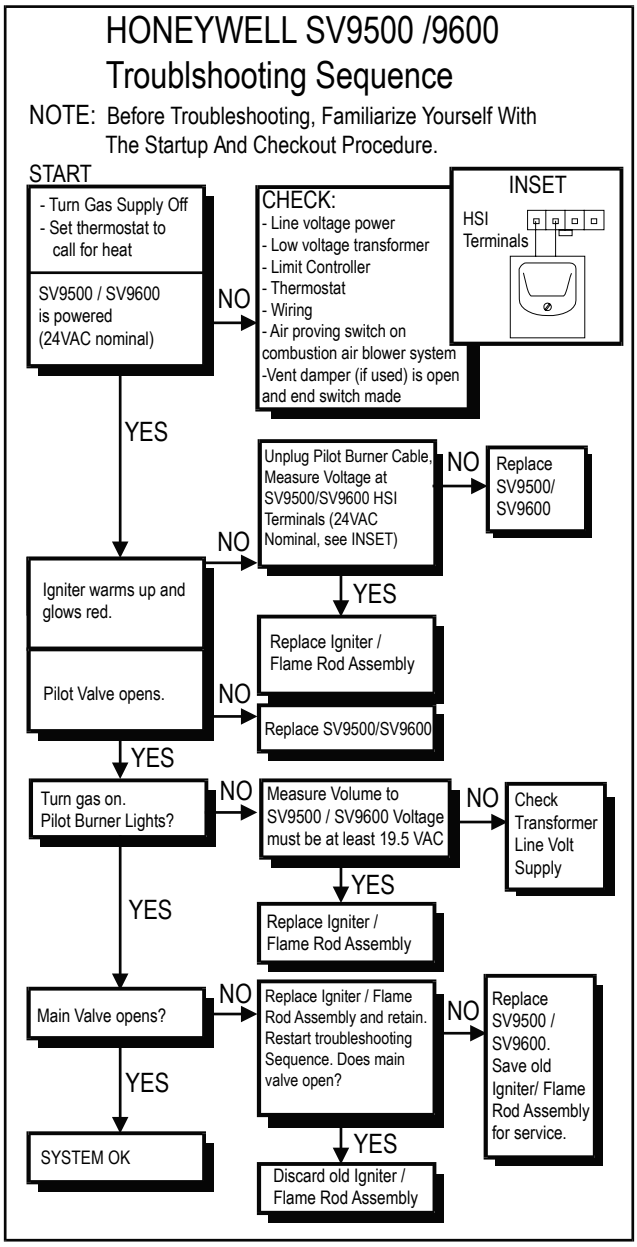
- Glass must be cleaned periodically to remove any film (which is a normal by-product of combustion) which may be visible. Film can easily be removed by removing the door, as shown on page 15. Handle the door carefully, and clean it with non-abrasive glass cleaners. One of the most effective products is Kel Kem.
- Silicone seals on inner door during initial firing will "off gas", leaving a visual deposit of a white substance on combustion chamber walls. This can easily be removed using normal household products.
- Use a vacuum cleaner or whisk broom to keep the control compartment, burner, and firebox free from dust and lint.
- Logs may be cleaned periodically with a vacuum to remove soot or other contaminates.

WARNING:

Do not attempt to clean glass when hot.

Do not clean glass with abrasive materials as any glass etching may cause premature glass failure.

Troubleshooting


HONEYWELL SV9500 /9600
Troublshooting Sequence
NOTE: Before Troubleshooting, Familiarize Yourself With The Startup And Checkout Procedure.
START
- Turn Gas Supply Off
- Set thermostat to call for heat
SV9500 / SV9600 is powered (24VAC nominal)
NO
CHECK:
- Line voltage power
- Low voltage transformer
- Limit Controller
- Thermostat
- Wiring
- Air proving switch on combustion air blower system
-Vent damper (if used) is open and end switch made
INSET
HSI Terminals
YES
Unplug Pilot Burner Cable. Measure Voltage at SV9500/SV9600 HSI Terminals (24VAC Nominal, see INSET)
NO
Replace SV9500/ SV9600
YES
Igniter warms up and glows red.
NO
Replace Igniter / Flame Rod Assembly
Pilot Valve opens.
NO
Replace SV9500/SV9600
YES
Turn gas on. Pilot Burner Lights?
NO
Measure Volume to SV9500 / SV9600 Voltage must be at least 19.5 VAC
NO
Check Transformer Line Volt Supply
YES
Replace Igniter / Flame Rod Assembly
YES
Main Valve opens?
NO
Replace Igniter / Flame Rod Assembly and retain. Restart troubleshooting Sequence. Does main valve open?
NO
Replace SV9500 / SV9600. Save old Igniter/ Flame Rod Assembly for service.
YES
SYSTEM OK
YES
Discard old Igniter / Flame Rod Assembly

If your fireplace still does not operate correctly, consult your dealer or the manufacturer.

All service and repairs should be performed by a qualified agency.

All spare parts, optional fans, and optional trim finishes are available from your local dealer or the manufacturer.

Part No. XG0650

Warranty

The Warranty

The Companies warrants the Montigo Gas Appliance to be free from defects in materials and workmanship at the time of manufacture. On the Montigo, there is a ten-year warranty on the firebox and its components, a five-year warranty on the main burner and pilot burner, and a one-year warranty on the gas control valve and fibre logs. Glass, plated/painted finishes, and refractory lining are exempt.

Remedy And Exclusions

The coverage of this Warranty is limited to all components of the Gas Appliance manufactured by The Companies.

This Warranty only covers Montigo Gas Appliances installed in the United States or Canada.

If the components of the Gas Appliance covered by this Warranty are found to be defective within the time frame stated (see The Companies right of investigation outlined below). The Companies will, at its option, replace or repair defective components of the Gas Appliance manufactured by The Companies at no charge, and will also pay for reasonable labour costs incurred in replacing or repairing components. If repair or replacement is not commercially practical, The Companies will, at its option, refund the purchase price of the Montigo Gas Appliance.

This Warranty covers only parts and labour as provided above. In no case shall The Companies be responsible for materials, components, or construction which are not manufactured or supplied by The Companies, or for the labour necessary to install, repair or remove such materials, components or construction. All replacement or repair components will be shipped F.O.B. the nearest The Companies factory.

Qualifications To The Warranty

The Gas Appliance Warranty outlined above is further subject to the following qualifications:

(1) The Gas Appliance must be installed in accordance with The Companies installation instructions and local building codes. The Warranty on this Montigo Gas Appliance covers only the component parts manufactured by The Companies. The use of components manufactured by others with this Montigo Gas Appliance could create serious safety hazards, may result in the denial of certification by recognized national safety agencies, and could be in violation of local building codes. This warranty does not cover any damages occurring from the use of any components not manufactured or supplied by The Companies

(2) The Montigo Gas Appliance must be subjected to normal use. The Gas Appliances are designed to burn gas only. Burning conventional fireplace fuels such as wood, coal or any other solid fuel will cause damage to the Gas Appliance, will produce excessive temperatures and will result in a fire hazard.

Limitations On Liability

It is expressly agreed and understood that The Companies sole obligation, and purchaser's exclusive remedy under this Warranty, under any other warranty, expressed or implied, or in contract, tort or otherwise, shall be limited to replacement, repair, or refund, as specified above.

In no event shall The Companies be responsible for any incidental or consequential damages caused by defects in its products, whether such damage occurs or is discovered before or after replacement or repair, and whether or not such damage is caused by The Companies negligence. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. The duration of any implied warranty with respect to this Montigo Gas Appliance is limited to the duration of the foregoing warranty. Some states do not allow limitation on how long an implied warranty lasts, so the above may not apply to you.

Investigation Of Claims Against Warranty

The Companies reserves the right to investigate any and all claims against this Warranty and to decide upon method of settlement.

The Companies Are Not Responsible For Work Done Without Written Consent

The Companies shall in no event be responsible for any warranty work done without first obtaining The Companies written consent.

Dealers Have No Authority To Alter This Warranty

The Companies employees and dealers have no authority to make any warranties nor to authorize any remedies in addition to or inconsistent with those stated above.

How To Register A Claim Against Warranty

In order for any claim under this Warranty to be valid, The Companies must be notified of the claimed defect in writing or by telephone, as soon as reasonably possible after the defect is discovered. Claims against this Warranty in writing should include the date of installation, and a description of the defect.

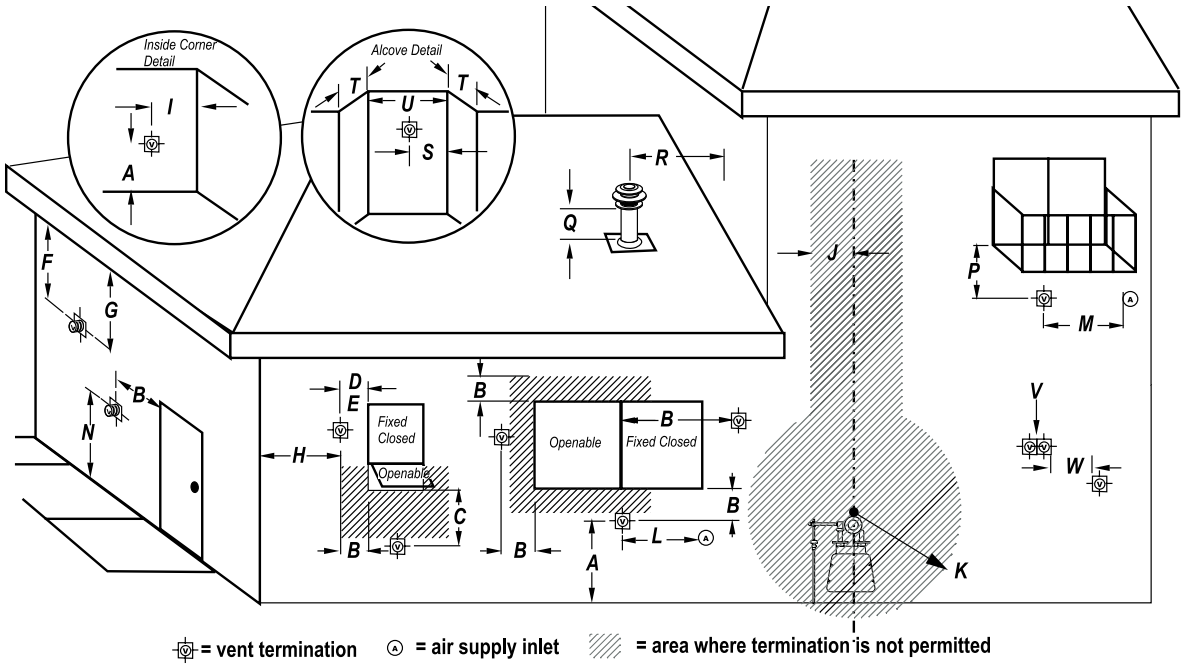
Other Rights

This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

NOTE: *The Companies* as stated above refer to - Canadian Heating Products Inc. and/or Montigo Del Ray Corp.

Canadian Heating Products Inc. and/or Montigo DelRay Corp. reserves the right to make changes at any time, without notice, in design, materials, specifications, prices and also to discontinue colors, styles and products.

Appendix A - Termination Locations



= vent termination Ⓐ = air supply inlet = area where termination is not permitted

A = *clearance to the termination frame above grade, veranda, porch, deck, or balcony [16 inches (41 cm) minimum]*

B = *clearance to door, or sides and top of window, that may be opened [16 inches (41 cm) minimum for appliances ≤100 000 BTU/H (30kW)]*

C = *clearance to bottom of window that may be opened horizontally [36 inches (92 cm) minimum for appliances ≤100 000 BTU/H (30kW)]*

D = *no clearance to permanently closed window when installed with approved glass penetration termination*

E = *clearance to permanently closed window [16 inches 41 cm recommended to prevent condensation on window]*

F = *vertical clearance to ventilated soffit located above the termination within a horizontal distance of 2 feet (61 cm) from the centreline of the termination [22 inches (56 cm) minimum]*

G = *clearance to unventilated soffit [16 inches (41 cm) minimum to non-combustibles] [22 inches (56 cm) minimum to combustibles]*

H = *clearance to outside corner [9 inches (23 cm) minimum]*

I = *clearance to inside corner [12 inches (31 cm) minimum]*

J = ** not to be installed above a meter/regulator assembly within 40" (103 cm) horizontally from the centreline of the regulator*

K = *clearance to service regulator vent outlet [3 feet minimum in the United States] [*6 feet (1.8 m) minimum in Canada]*

L = *clearance to non-mechanical air supply inlet to building or the combustion air inlet to any other appliance [16 inches (41 cm) minimum for appliances ≤100 000 BTU/H (30kW)]*

M = *clearance to mechanical air supply inlet [*6 feet (1.8 m) minimum]*

‡ *only permitted if veranda, porch, deck, or balcony has an open side that is equal to or greater than the depth of the enclosed area*

* *as specified in CGA B149 Installation Codes. Note: local Codes or Regulations may require different clearance.*

N = † *clearance above paved sidewalk or a paved driveway located on public property [*7 feet (2.1 m) minimum]*

P = *clearance under veranda, porch, deck, or balcony [16 inches (41 cm) minimum‡ to non-combustibles] [22 inches (56 cm) minimum‡ to combustibles]*

Q = *clearance above a roof [24 inches (61 cm) minimum]*

R = *clearance to adjacent walls and neighboring buildings [18 inches (46 cm) minimum]*

S = *clearance from corner in recessed location [12 inches (31 cm) minimum]*

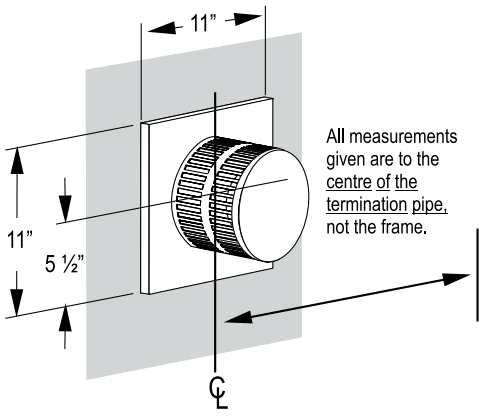
T = *maximum depth in recessed location [48 inches (122 cm) minimum]*

U = *minimum width for back wall of recessed location [24 inches (61 cm) minimum]*

V = *no horizontal clearance between the frames of two terminations that are level.*

W = *horizontal clearance between the frames of two terminations that are not level. [36 inches (92 cm) minimum]*

† *a vent shall not terminate directly above a sidewalk or paved driveway which is located between two single family dwellings and serves both dwellings*



Appendix A - State of Massachusetts

Amendment

(Gas Fireplace / Equipment sold in the State of Massachusetts)
5.08: Modifications to NFPA-54, Chapter 10

(1) Revise NFPA-54 section 10.5.4.2 by adding a second exception as follows:
Existing chimneys shall be permitted to have their use continued when a gas conversion burner is installed, and shall be equipped with a manually reset device that will automatically shut off the gas to the burner in the event of a sustained back-draft.

(2) Revise 10.8.3 by adding the following additional requirements:
(a) For all side wall horizontally vented gas fueled equipment installed in every dwelling, building or structure used in whole or in part for residential purposes, including those owned or operated by the Commonwealth and where the side wall exhaust vent termination is less than seven (7) feet above finished grade in the area of the venting, including but not limited to decks and porches, the following requirements shall be satisfied:

1. INSTALLATION OF CARBON MONOXIDE DETECTORS. At the time of installation of the side wall horizontal vented gas fueled equipment, the installing plumber or gas fitter shall observe that a hard wired carbon monoxide detector with an alarm and battery back-up is installed on the floor level where the gas equipment is to be installed. In addition, the installing plumber or gas fitter shall observe that a battery operated or hard wired carbon monoxide detector with an alarm is installed on each additional level of the dwelling, building or structure served by the side wall horizontal vented gas fueled equipment. It shall be the responsibility of the property owner to secure the services of qualified licensed professionals for the installation of hard wired carbon monoxide detectors
a. In the event that the side wall horizontally vented gas fueled equipment is installed in a crawl space or an attic, the hard wired carbon monoxide detector with alarm and battery back-up may be installed on the next adjacent floor level.
b. In the event that the requirements of this subdivision can not be met at the time of completion of installation, the owner shall have a period of thirty (30) days to comply with the above requirements; provided, however, that during said thirty (30) day period, a battery operated carbon monoxide detector with an alarm shall be installed.

2. APPROVED CARBON MONOXIDE DETECTORS. Each carbon monoxide detector as required in accordance with the above provisions shall comply with NFPA 720 and be ANSI/UL 2034 listed and IAS certified.

3. SIGNAGE. A metal or plastic identification plate shall be permanently mounted to the exterior of the building at a minimum height of eight (8) feet above grade directly in line with the exhaust vent terminal for the horizontally vented gas fueled heating appliance or equipment. The sign shall read, in print size no less than one-half (1/2) inch in size, “GAS VENT DIRECTLY BELOW. KEEP CLEAR OF ALL OBSTRUCTIONS”.

4. INSPECTION. The state or local gas inspector of the side wall horizontally vented gas fueled equipment shall not approve the installation unless, upon inspection, the inspector observes carbon monoxide detectors and signage installed in accordance with the provisions of 248 CMR 5.08(2)(a)1 through 4.
(b) EXEMPTIONS: The following equipment is exempt from 248 CMR 5.08(2)(a)1 through 4:

1. The equipment listed in Chapter 10 entitled “Equipment Not Required To Be Vented” in the most current edition of NFPA 54 as adopted by the Board; and
2. Product Approved side wall horizontally vented gas fueled equipment installed in a room or structure separate from the dwelling, building or structure used in whole or in part for residential purposes.

(c) MANUFACTURER REQUIREMENTS - GAS EQUIPMENT VENTING SYSTEM PROVIDED. When the manufacturer of Product Approved side wall horizontally vented gas equipment provides a venting system design or venting system components with the equipment, the instructions provided by the manufacturer for installation of the equipment and the venting system shall include:
1. Detailed instructions for the installation of the venting system design or the venting system components; and
2. A complete parts list for the venting system design or venting system.

(d) MANUFACTURER REQUIREMENTS - GAS EQUIPMENT VENTING SYSTEM NOT PROVIDED. When the manufacturer of a Product Approved side wall horizontally vented gas fueled equipment does not provide the parts for venting the flue gases, but identifies “special venting systems”, the following requirements shall be satisfied by the manufacturer:
1. The referenced “special venting system” instructions shall be included with the appliance or equipment installation instructions; and
2. The “special venting systems” shall be Product Approved by the Board, and the instructions for that system shall include a parts list and detailed installation instructions.
(e) A copy of all installation instructions for all Product Approved side wall horizontally vented gas fueled equipment, all venting instructions, all parts lists for venting instructions, and/or all venting design instructions shall remain with the appliance or equipment at the completion of the installation.

(3) After NFPA-54 section 10.10.4.2 add a new section 10.10.4.3 as follows:
When more than four gas appliances are to be vented through a common gas vent or common horizontal vent manifold, a plan of the proposed vent installation shall be submitted to the Inspector and the serving gas supplier for review and approval.

Extraction from: Massachusets Rules and Regulations
5.00: Amendments To 2002 Edition Of ANSI Z223.1-NFPA-54

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